## **WHAT IS CLAIMED:**

1	1.	An expression plasmid comprising an RNA polymerase I (pol I) promoter
2	and pol I terminator s	equences, which are inserted between an RNA polymerase II (pol II)
3	promoter and a polya	denylation signal.
1	2.	The expression plasmid of claim 1 wherein the pol I promoter is proximal
2.	to the polyadenylation	n signal and the pol I terminator sequence is proximal to the pol II promoter.
	3. to the pol II promoter	The expression plasmid of claim 1 wherein the pol I promoter is proximal and the pol I terminator sequence is proximal to the polyadenylation signal.
The first files of the first terms of the first ter	4. plasmid having a map	The expression plasmid of claim 1 wherein the plasmid corresponds to a selected from the group consisting of pHW2000, pHW11 and pHW12.
1	5. RNA virus viral gene	The expression plasmid of claim 1, further comprising a negative strand segment inserted between the pol I promoter and the termination signal.
1 2	6. is a member of the O	The expression plasmid of claim 5, wherein the negative strand RNA virus rthomyxoviridae virus family.
1 2	7. virus.	The expression plasmid of claim 6, wherein the virus is an influenza A

The expression plasmid of claim 7, wherein the viral gene segment encodes

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neuraminidase (NA) gene.

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The expression plasmid of claim 12, wherein the influenza gene is from a 13.

pathogenic influenza virus strain.

- 1 14. The expression plasmid of claim 12, wherein the plasmid has a map
  2 selected from the group consisting of pHW244-HA, pHW246-NA, pHW184-HA, and pHW1863 NA.
  - strand RNA viruses from cloned viral cDNA comprising a set of plasmids wherein each plasmid comprises one autonomous viral genomic segment, and wherein the viral cDNA corresponding to the autonomous viral genomic segment is inserted between an RNA polymerase I (pol I) promoter and terminator sequences, thereby resulting in expression of vRNA, which are in turn inserted between a RNA polymerase II (pol II) promoter and a polyadenylation signal, thereby resulting in expression of viral mRNA.
  - 16. The minimum plasmid-based system of claim 15 wherein the pol I promoter is proximal to the polyadenylation signal and the pol I terminator sequence is proximal to the pol II promoter.
- 1 17. The minimum plasmid-based system of claim 15 wherein the pol I
  2 promoter is proximal to the pol II promoter and the pol I terminator sequence is proximal to the
  3 polyadenylation signal.

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	18.	The plasmid-based system of claim 15, wherein the negative strand RNA		
virus is a men	nber of t	the Orthomyxoviridae virus family.		
	19.	The plasmid-based system of claim 18, wherein the virus is an influenza A		
virus.	,			
	20.	The plasmid-based system of claim 18, wherein the virus is an influenza B		
virus.				
	21.	The plasmid-based system of claim 19, wherein the viral gene segment		
encodes a pro	tein sele	ected from the group consisting of a viral polymerase complex protein, an M		
protein and an NS protein; wherein said genes are from a strain well adapted to grow in cell				
culture or from an attenuated strain, or both.				
	22.	The plasmid-based system of claim 19, wherein the viral genomic segments		
comprise gene	es which	n encode a protein selected from the group consisting of hemagglutinin and		
neuraminidase	e, or bot	th; wherein said genes are from a pathogenic influenza virus.		
	23.	The plasmid-based system of claim 19 wherein said system comprises one		
	virus.  virus.  encodes a pro protein and ar culture or from	virus is a member of the series of the series and an NS process and an NS process and an NS process and an attention of the series of the seri		

or more plasmids having a map selected from the group consisting of pHW241-PB2, pHW242-

PB1, pHW243 -PA, pHW244-HA, pHW245-NP, pHW246-NA, pHW247-M, and pHW248-NS.

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or more plasmids having a map selected from the group consisting of pHW181-PB2, pHW182-

The plasmid-based system of claim 19, wherein said system comprises one

A method for producing an influenza virion, which method comprises

culturing the host cell of claim 27 under conditions that permit production of viral proteins and

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24.

proteins and vRNA or cRNA.

31.

vRNA or cRNA.

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intramuscularly in the subject.

1	32. A method for producing a pathogenic influenza virion, which method
2	comprises culturing the host cell of claim 28 under conditions that permit production of viral
3	proteins and vRNA or cRNA.
1	33. A method for preparing a negative strand RNA virus-specific vaccine,
2	which method comprises purifying a virion produced by the method of claim 29.
1	34. The method according to claim 33, which further comprises inactivating the
2	virion.
1	35. The method according to claim 33, wherein the negative strand RNA virus
2	is an attenuated virus.
1	36. A method for vaccinating a subject against a negative strand RNA virus
2	infection, which method comprises administering a protective dose of a vaccine of claim 33 to the
3	subject.
1	37. A method for vaccinating a subject against a negative strand RNA virus
2	infection, which method comprises injecting a protective dose of a vaccine of claim 33

1		38.	A method for vaccinating a subject against a negative strand RNA virus
2	infection, whi	ich meth	nod comprises administering a vaccine of claim 33 intranasally to the subject
1		39.	A method for generating an attenuated negative strand RNA virus, which
1		39.	A memoral for generating an attenuated negative straine 14 71 virus, which
- 2:2×	method comp	rises:	
:: 3		(a)	mutating one or more viral genes in the plasmid-based system of claim 15;
4		and	
		(b)	determining whether infectious RNA viruses produced by the system are
: <u>‡</u> 56		attenu	·
1		40.	A composition comprising a negative strand RNA virus virion, wherein
	viral internal	proteins	s of the virion are from a virus strain well adapted to grow in culture or from
13	an attenuated	strain,	or both and viral antigen proteins, of the virion are from a pathogenic virus
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1		41.	A composition comprising a negative strand RNA virus virion produced by
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